

10/591540

IAP9 Rec'd PCT/PTO 01 SEP 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number	:	Unassigned	Confirmation No.:	Unassigned
Applicant	:	Claus FROHBERG et al.		
Filed	:	September 1, 2006		
Title	:	PLANTS WITH REDUCED ACTIVITY OF A STARCH PHOSPHORYLATING ENZYME		
TC/Art Unit	:	Unassigned		
Examiner:	:	Unassigned		
Docket No.	:	65084.000023		
Customer No.	:	21967		

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants submit herewith copies the references listed on the attached Form PTO-SB/08A (modified) for consideration and to be made of record herein by the U.S. Patent and Trademark Office in the above-captioned application.

This Information Disclosure Statement (IDS) is not to be construed as a representation that a search has, or has not, been conducted or that no better art exists. The filing of this IDS is not to be construed as admission that the information cited in the IDS is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

Consideration of the foregoing plus the prompt return of a copy of the enclosed Form SB/08A with the Examiner's initials in the left column in accordance with MPEP § 609 are respectfully requested.

In accordance with 37 C.F.R. § 1.97(b), this Information Disclosure Statement is believed to be submitted within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); therefore, it is respectfully submitted that no fee is required for consideration of this information. However, if a fee is required, the

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Commissioner is hereby authorized to charge any fee, or credit any overpayment, to Deposit
Account No. 50-0206.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: September 1, 2006

By:

Dana Buschmann

Robert M. Schulman
Registration No. 31,196

Dana Z. Buschmann
Registration No. 54,567

Hunton & Williams LLP
Intellectual Property Department
1900 K Street, N.W.
Washington, DC 20006
(202) 955-1500 (telephone)
(202) 955-1939 (direct)
(202) 778-2201 (facsimile)

DZB/cbc

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PTO/SB/08B (08/03) (modified)

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number

Unassigned

Filing Date

September 1, 2006

First Named Inventor

Claus FROHBERG et al.

Art Unit

Unassigned

Examiner Name

Unassigned

Sheet

1 of 2

Attorney Docket Number

65084.000023

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
/BP/		Alonso et al.; <i>Genome-Wide Insertional Mutagenesis of Arabidopsis thaliana</i> ; Science, August 1, 2003; Vol. 301; pp. 653 - 657	<input type="checkbox"/>	<input type="checkbox"/>
		Sitohy et al.; <i>Optimizing the Conditions for Starch Dry Phosphorylation with Sodium Mono- and Dihydrogen Orthophosphate under Heat and Vacuum</i> ; Starch/Starke; 2000; Vol. 52; No. 4; pp. 95 - 100	<input type="checkbox"/>	<input type="checkbox"/>
		Kötting et al., <i>Identification of a Novel Enzyme Required for Starch Metabolism in Arabidopsis Leaves. The Phosphoglucan, Water Dikinase</i> ; Plant Physiology, January 2005, Vol. 137, pp. 242 - 252; XP-002339144	<input type="checkbox"/>	<input type="checkbox"/>
		Baunsgaard et al.; <i>A novel Isoform of Glucan, Water Dikinase Phosphorylates Pre-Phosphorylated α-glucans and is Involved in Starch Degradation in Arabidopsis</i> ; The Plant Journal, 2005, Vol. 41, pp. 595 - 605; XP-002339143	<input type="checkbox"/>	<input type="checkbox"/>
		Yu et. al.; <i>The Arabidopsis sex1 Mutant is Defective in the R1 Protein, a General Regulator of Starch Degradation in Plants, and Not in the Chloroplast Hexose Transporter</i> ; The Plant Cell; August 2001; Vol. 13, pp. 1907 - 1918; XP002252059	<input type="checkbox"/>	<input type="checkbox"/>
		Blennow et al.; <i>Starch phosphorylation: a new front line in starch research</i> ; Trends in Plant Science; October 2002; Vol. 7, No. 10; pp. 445 - 450	<input type="checkbox"/>	<input type="checkbox"/>
		Jane et al., <i>Phosphorus in Rice and Other Starches</i> ; Cereal Foods World, November - December 1996; Vol. 41; No. 11; pp. 827 - 832	<input type="checkbox"/>	<input type="checkbox"/>
		Tabata et al.; <i>Studies on Starch Phosphate</i> ; Die Stärke/Starch; 1971; Vol. 23, pp. 267 - 272	<input type="checkbox"/>	<input type="checkbox"/>
		Blennow et al.; <i>The distribution of covalently bound phosphate in the starch granule in relation to starch crystallinity</i> ; International Journal of Biological Macromolecules; 2000; Vol. 27, pp. 211 - 218	<input type="checkbox"/>	<input type="checkbox"/>
		Blennow et al.; <i>Starch molecular structure and phosphorylation investigated by a combined chromatographic and chemometric approach</i> ; Carbohydrate Polymers; 2000, Vol. 41, pp. 163 - 174	<input type="checkbox"/>	<input type="checkbox"/>
		Ritte et al.; <i>The starch-related R1 protein is an α-glucan, water dikinase</i> ; PNAS; May 14, 2002; Vol. 99; No. 10; pp. 7166 - 7171	<input type="checkbox"/>	<input type="checkbox"/>
↓		Lorberth et al.; <i>Inhibition of a starch-granule-bound protein leads to modified starch and repression of cold sweetening</i> ; Nature Biotechnology; May 1998; Vol. 16, pp. 473 - 477; XP002111459	<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO		Application Number	Unassigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Filing Date	September 1, 2006
		First Named Inventor	Claus FROHBERG et al.
		Art Unit	Unassigned
		Examiner Name	Unassigned
Sheet	2 of 2	Attorney Docket Number	65084.000023

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

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			YES	NO
/BP/		NCBI Sequence Viewer; <i>Novel isoform of glucan, water dikinase phosphorylates pre-phosphorylated alpha-glucans and is involved in starch degradation in Arabidopsis</i> ; March 1, 2005; AY747068	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
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			<input type="checkbox"/>	<input type="checkbox"/>

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